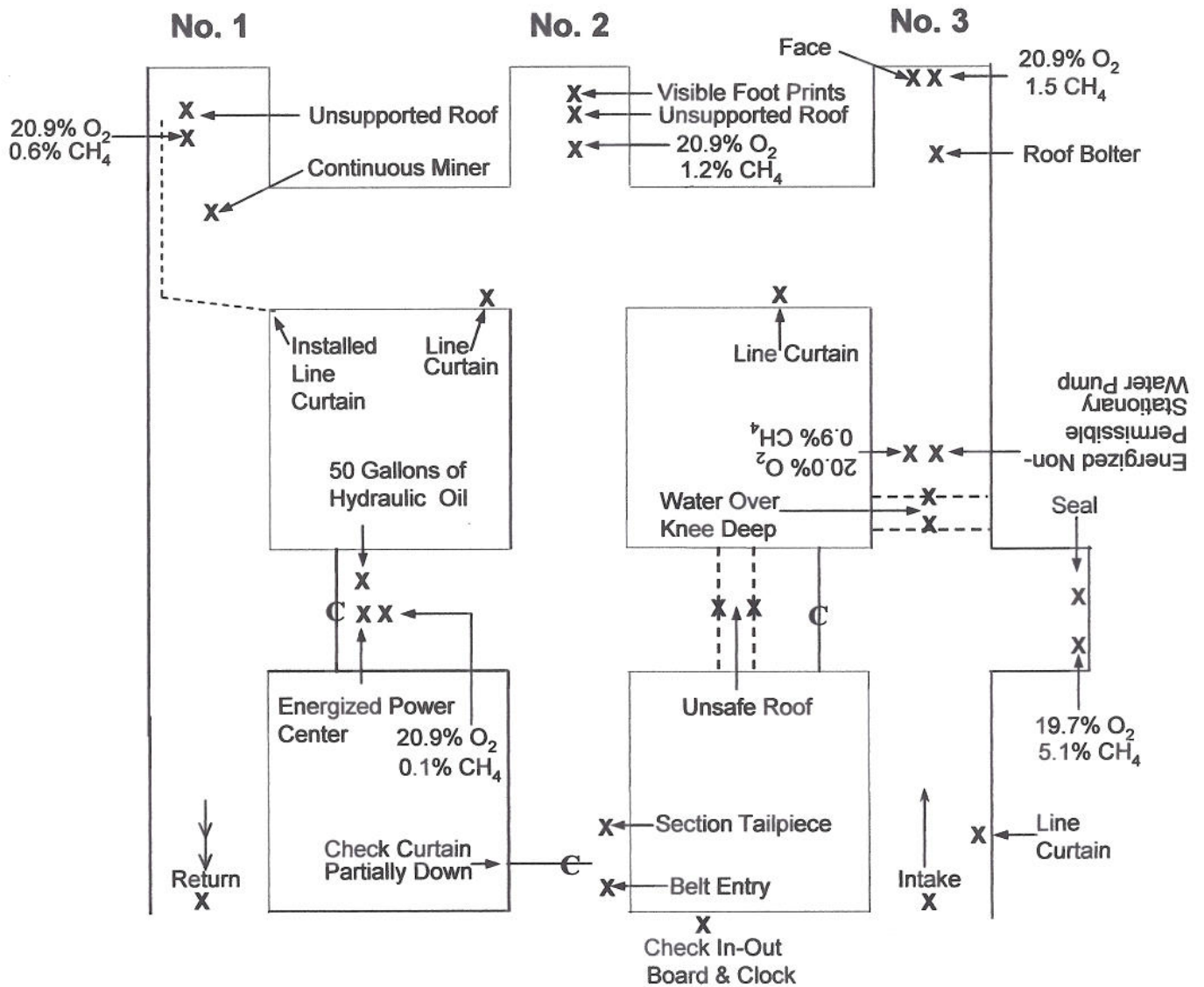
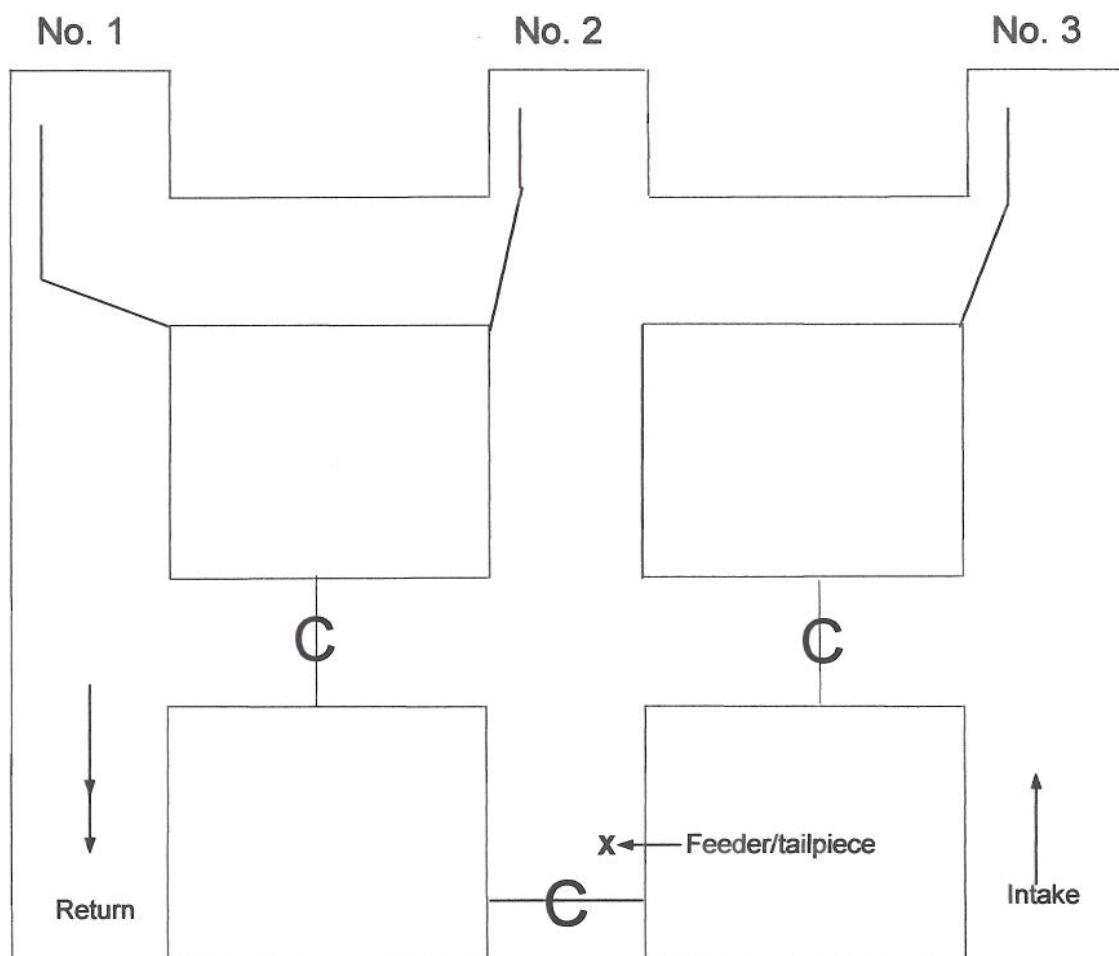


2009

Virginia Mining Institute Preshift Contest Problem Map



2009
Virginia Mining Institute
Preshift Contest
Ventilation Plan



Check and line curtains required to be installed as shown on ventilation map.

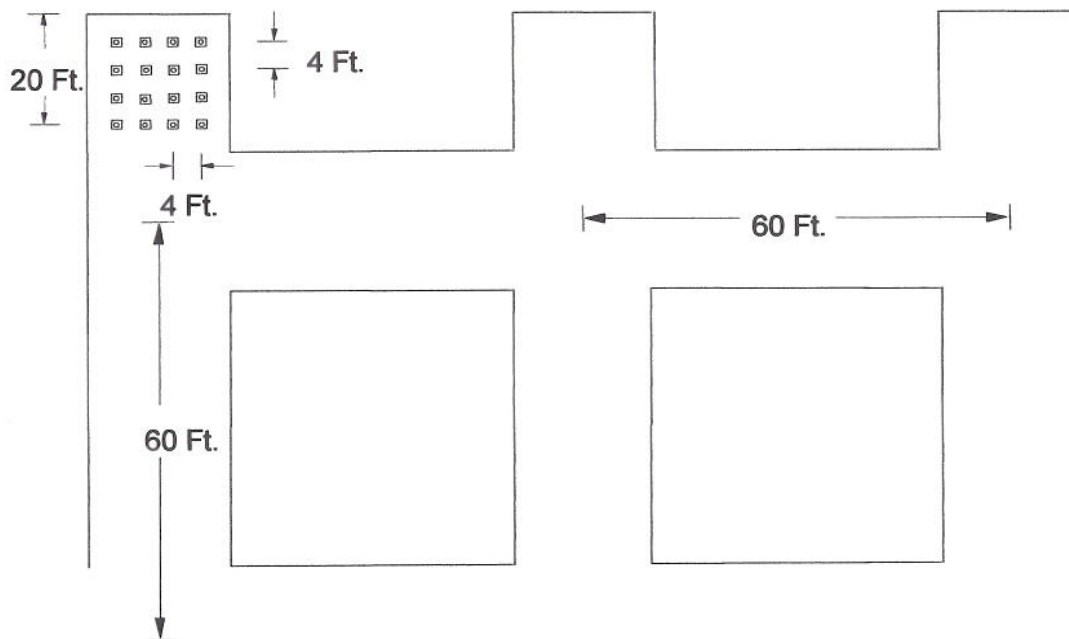
Line curtain required to be maintained within 10 ft. from the deepest point of penetration when mining and on last full row of permanent roof support.

A minimum of 12, 000 CFM required in the last open crosscut.

Maximum cut depth is limited to 20 ft.

All face ventilation is exhausting.

2009
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Roof Control Plan



Permanent roof supports to be installed on not more than 4 ft. centers.

Maximum cut depth is 20 ft.

Maximum width of rooms, entries and crosscuts is 20 ft.

Developed on 60 ft. centers with minimum size pillars being 40 ft. x 40 ft.

Supplemental support will be installed on 4 ft. centers.

The end of permanent roof support shall be posted with a readily visible warning or a physical barrier shall be installed to impede travel beyond permanent support.

Seals shall be protected from adverse roof and floor conditions by no less than two (2) cribs on each side.